

Date: Tue, 16 Aug 94 12:02:03 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #922
To: Info-Hams

Today's Topics:

** FLEA at MIT ** Sunday 21 August Cambridge MA
Arizona or LA Calif area, WANTED
August 11, 1994 Mid Atlantic Hamfest List
clip art for QSL card
Code Learning s/w for a MAC
Daily Summary of Solar Geophysical Activity for 15 August
DSP Comparison: Timewave
Melbourne Florida HAMFEST
Ok
problem with Yaesu G-1000SDX rotor
What does "beverage" mean?
Yaesu FT-530 vs Icom W21AT - opinions

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 16 Aug 1994 03:13:42 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
MathWorks.Com!news2.near.net!bloom-beacon.mit.edu!senator-bedfellow.mit.edu!
w1gsl@network.ucsd.edu
Subject: ** FLEA at MIT ** Sunday 21 August Cambridge MA
To: info-hams@ucsd.edu

Now TWICE the number of outdoor Tailgate spaces are available....

***** \$1 buyers discount with hardcopy of this notice *****

COMPUTERS - ELECTRONICS - HAM RADIO - COMPUTERS - ELECTRONICS

FLEA all SUMMER at MIT
August 21st, 1994
9AM-2PM

Come to the city for a great flea - plenty of free parking.

MIT's electronics and ham radio flea will take place on the third Sunday of each month this summer, April thru October.

There is tailgate space for over 600 sellers and free, off-street parking for >1000 cars!

Buyers admission is \$2 (you get \$1 off if you're lucky enough to have a copy of our ad) and sellers spaces are \$10.00-each at the gate.

The flea will be held at the corner of Albany and Main streets in Cambridge; right in the Kendall Square area from 9AM to 2PM, with sellers set-up time starting at 7AM.

!! RAIN or SHINE !! Have no fear of rain, a covered tailgate area is available for all sellers (6'8" clearance).

Talk-in: 146.52 and W1XM/R-449.725/444.725 (PL 114.8/2A).

Sponsors: MIT Electronics Research Society
MIT UHF Repeater Association (W1XM)
MIT Radio Society (W1MX)
Harvard Wireless Club (W1AF)

For more info / advanced reservations 617 253 3776

***** \$1 buyers discount with hard copy of this notice *****

Steve Finberg W1GSL w1gsl@mit.edu
PO Box 82 MIT Br Cambridge MA 02139-7082 617 258 3754

Date: Mon, 15 Aug 94 16:14:14 PDT
From: ihnp4.ucsd.edu!munnari.oz.au!yarrina.connect.com.au!

habinger.cc.monash.edu.au!yeshua.marcam.com!news.kei.com!ssd.intel.com!chnews!
news@network.ucsd.edu
Subject: Arizona or LA Calif area, WANTED
To: info-hams@ucsd.edu

I'm looking for a mast mount type, Rohn 25G top section. I can pick up in the greater Los Angeles, California area or anywhere within Arizona.

Tom WB7ASR...

tom_boza@ccm.hf.intel.com

Date: 12 Aug 1994 14:39:20 GMT
From: usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!yeshua.marcam.com!
news.kei.com!eff!wariat.org!malgudi.oar.net!swiss.ans.net!nntp.sunbelt.net!udel!
news.udel.edu!diusys!dave@ihnp4.ucsd.edu
Subject: August 11, 1994 Mid Atlantic Hamfest List
To: info-hams@ucsd.edu

The Sussex ARA has a hamfest coming up. Thought I'd post it since it's only a week away. It is an ARRL sanctioned hamfest that is used to support a scholarship fund.

August 21, 1994

GEORGETOWN, DE

DelMarVa Hamfest 8AM-?
DelTech Community College
Routes 113 and 404, Georgetown, Delaware

Indoor spaces available.
Contact: John Low K3JL (302)856-2307

Talk in on 147.075+

Date: 15 Aug 1994 22:28:10 -0500
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!cs.utexas.edu!news.tamu.edu!not-
for-mail@network.ucsd.edu
Subject: clip art for QSL card
To: info-hams@ucsd.edu

Hello all,

I am trying to put together my own QSL cards using Canvas or whatever I can get my grubby little hands on. Does anyone know of a source of clip art suitable for QSL cards? Stuff like keys, microphones, radios, antennas, logos etc? I have ARRL and ARES logos in pcx and cvs formats already, but I cannot seem to find a repository of other stuff. Oh, yeah, how about state map outlines? Those would also be good....

If you have any you have scanned/created for yourself, in whatever format, that you wouldn't mind dropping into the public domain, let me know and I would be happy to zip all this stuff together and post to the net/submit to ftp sites.

Thanks to all

Mark - N5RJF

--
Mark S. Whitsitt, N5RJF Texas A&M University, Dept of Biochemistry
Internet: mwhitsitt@tamu.edu College Station, Tx. 77843-2128
AMPRnet: n5rjf@n5rjf.ampr.org (409) 845-0832

Date: 16 Aug 1994 07:05:51 -0600
From: mnemosyne.cs.du.edu!nyx.cs.du.edu!not-for-mail@uunet.uu.net
Subject: Code Learning s/w for a MAC
To: info-hams@ucsd.edu

I am looking for some code practice software that runs on a MAC. Any suggestions? Any suggestions as to MAC ftp sites?

Ted Kell@lark.jsc.nasa.gov
KC5CJW

Date: Mon, 15 Aug 1994 23:15:29 MDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!psgrain!nntp.cs.ubc.ca!
alberta!ve6mgs!usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 15 August
To: info-hams@ucsd.edu

DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

15 AUGUST, 1994

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 15 AUGUST, 1994

NOTE: Energetic electron fluence at greater than 2 MeV was at moderate to levels today.

```
!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 227, 08/15/94
10.7 FLUX=081.4 90-AVG=079      SSN=061      BKI=3233 3323  BAI=013
BGND-XRAY=A7.1      FLU1=8.3E+05  FLU10=1.3E+04 PKI=4233 4334  PAI=016
BOU-DEV=023,017,025,028,020,026,013,027  DEV-AVG=022 NT      SWF=01:013
XRAY-MAX= M1.2 @ 1251UT      XRAY-MIN= A6.1 @ 1832UT      XRAY-AVG= B4.1
NEUTN-MAX= +002% @ 2345UT      NEUTN-MIN= -003% @ 0120UT      NEUTN-AVG= +0.2%
PCA-MAX= +0.2DB @ 1725UT      PCA-MIN= -0.2DB @ 1920UT      PCA-AVG= +0.0DB
BOUTF-MAX=55230NT @ 0102UT      BOUTF-MIN=55202NT @ 1659UT      BOUTF-AVG=55215NT
GOES7-MAX=P:+000NT@ 0000UT      GOES7-MIN=N:+000NT@ 0000UT      G7-AVG=+071,+000,+000
GOES6-MAX=P:+122NT@ 1828UT      GOES6-MIN=N:-028NT@ 0006UT      G6-AVG=+100,+032,-011
FLUXFCST=STD:080,080,080;SESC:080,080,080 BAI/PAI-FCST=015,025,015/015,025,015
KFCST=3334 3222 3345 4333 27DAY-AP=012,007 27DAY-KP=3333 2223 2132 2212
WARNINGS=*SWF;*MAJFLR
ALERTS==*MINFLR:M1.2/2N@1251,S12W18(7765);*TENFLR:250SFU@1243UTC
!!END-DATA!!
```

NOTE: The Effective Sunspot Number for 14 AUG 94 was 27.0.

The Full Kn Indices for 14 AUG 94 are: 4- 4+ 5+ 5+ 4- 30 30 3-

The 3-Hr Ap Indices for 14 AUG 94 are: 25 31 56 56 24 15 16 16 13

Greater than 2 MeV Electron Fluence for 15 AUG is: 8.0E+08

SYNOPSIS OF ACTIVITY

Solar activity was moderate owing to an M1/2N flare from Region 7765 (S12W23) that maxed at 1251Z. It was accompanied by a 2695 MHz radio burst of 250 flux units of 15 minutes duration (tenflare). Region 7765 declined today in both white light and magnetic complexity. No new Regions were numbered. Active prominences were reported on the west limb near S04 and N09.

Solar activity forecast: solar activity is expected to be low. Region 7765 is still capable of C-class flares and isolated M-class activity, but the overall probability of energetic events is decreasing as the region decays.

The geomagnetic field has been mostly unsettled for the past 24 hours. Isolated periods at active levels were observed at high geomagnetic latitudes. Energetic electron fluxes at geosynchronous orbit were high.

Geophysical activity forecast: the geomagnetic field is expected to be unsettled tomorrow as the disturbance of the past few days subsides. A possible new disturbance could begin on the 17th in response to interplanetary effects with a long duration x-ray event near the center of the solar disk on 14 August.

Event probabilities 16 aug-18 aug

Class M	30/25/20
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 16 aug-18 aug

A. Middle Latitudes	
Active	10/20/40
Minor Storm	20/50/20
Major-Severe Storm	01/10/01
B. High Latitudes	
Active	10/25/45
Minor Storm	25/50/25
Major-Severe Storm	05/10/05

HF propagation conditions were near-normal over all regions today. A minor SWF may have been associated with the M1.2/2N tenflare near 12:50 UTC and could have affected regions in all of Africa, Europe, and western portions of Asia. Effects may have also reached to eastern portions of North America. Propagation conditions are expected to remain normal over all regions until possibly the 17th when a possible flare-related coronal mass ejection (of the 14th) could arrive. If this disturbance arrives, high and polar latitudes could see poor propagation with increased levels of fading and periods of auroral absorption. Middle latitude night-sector circuits could also see minor signal degradation if this disturbance arrives. Otherwise, near-normal propagation should persist with only brief intervals of below-normal propagation for transauroral night-sector circuits.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 15/2400Z AUGUST

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7764	S06E13	357	0040	HSX	02	001	ALPHA	
7765	S12W24	034	0240	EAI	12	025	BETA-GAMMA	
7766	N10E32	338	0020	CRO	03	005	BETA	

REGIONS DUE TO RETURN 16 AUGUST TO 18 AUGUST

NMBR	LAT	LO
7760	S06	271

LISTING OF SOLAR ENERGETIC EVENTS FOR 15 AUGUST, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEET
0040	0040	0041					140		
1235	1251	1306	7765	S12W18	M1.2	2N		110	250

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 15 AUGUST, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
15/ 0635	0702	0740	S11W15	LDE	B8.4	65		

INFERRRED CORONAL HOLES. LOCATIONS VALID AT 15/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS

EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
98	S27E11	S28E01	S25W05	S23W02	013	ISO	NEG	003 10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
14 Aug:	0039	0044	0048	C1.8	SF	7765	S12E01			
	0059	0105	0107	C1.4						
	0115	0120	0125	C1.6	SF	7765	S11E02			
	0154	0201	0210	C1.3						
	0350	0351	0355		SF	7765	S12W00			
	0405	0409	0415	B7.1	SF	7765	S11E01			
	0555	0605	0619	C2.3	SF	7765	S11W01			
	0830	0900	0918	B6.2						

1009	1019	1042	C1.0	SF	7765	S11W04		
1729	1738	1742	M3.9	1N	7765	S12W08	210	380
1944	1953	2018	C1.2					
2248	2259	2318	B3.9					

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Region 7765:	4	1	0	6	1	0	0	0	007	(58.3)
Uncorrellated:	3	0	0	0	0	0	0	0	005	(41.7)

Total Events: 012 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical	Observations
NO EVENTS OBSERVED.									

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: Tue, 16 Aug 1994 05:04:59 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
europia.eng.gtefsd.com!uhog.mit.edu!news.kei.com!world!mv!mv.mv.com!
tetrault@network.ucsd.edu
Subject: DSP Comparison: Timewave
To: info-hams@ucsd.edu

To: Wayne_Estes@csg.mot.com

In a recent message, you wrote;

>
>BANDPASS FILTERS:
>
>Both models had excellent CW bandpass filter performance. I prefer
the
>Timewave 500, 200, and 100 Hz bandwidths over than the W9GR bandwidths
of
>200, 100, and 30 Hz.
>
>The W9GR does not have bandpass filters for SSB, which was a problem
for me.
>My Icom 751 audio output has high and low frequency noise, which
passes
>straight through the W9GR. To compound the problem, the W9GR
generates its
>own high frequency hiss. I am using high-fidelity Sennheiser
headphones, but
>my friend also hears the hiss on his Heil communications headphones.

I sold my W9GRII due to ringing in CW mode. While I agree with your results, and enjoyed the SSB and SSTV filters immensely, the ringing in the CW modes was so bad the KAM couldn't even demodulate CW never mind my tired ears.

When MFJ finally shops theirs, I'll report on it. They say that there is NO ringing in CW with theirs. We'll see...

Mark

* UniQWK #2067*

--

| Mark D. Tetrault | tetrault@mv.mv.com |

6 Colonial Drive	1:132/169@fidonet.org
Pembroke, NH 03275	kd1vk @ walwok 44.52.7.8
(603) 485-5852	Have a Nice Day!

Date: 16 Aug 94 14:39:40 GMT
From: news-mail-gateway@ucsd.edu
Subject: Melbourne Florida HAMFEST
To: info-hams@ucsd.edu

>The annual Melbourne Florida HAMFEST, sponsored by the Platinum Coast
>Amateur Radio Society (PCARS), will take place September 10 and 11, 1994.

set up on the 9th. General info send SASE to Hamfest Information, Platinum Coast Amateur Radio Society, P. O. Box 1004 (closest they could get to 10-4 at the time - it was during the CB boom), Melbourne, FL 32902-1004. Or call Allen Hudson at (407) 777-1120. Tables - call Janet Madden at (407) 724-9339. Last I heard, swap tables were just about gone and the mail backlog would be cleared up by this evening. PCARS BBS is (407) 729-9061, up to 14.4 kb.

>This was one of Florida's best last year, and hopes to be even better

yep -- i think it will be -- look for the collins amateur radio club table on the inside in the air conditioning...the hamfest isn't all in the parking lot.

>this year! Only two-three miles east from Interstate 95, exit 71.

oops. it's about 5 miles from the interstate just to Babcock St. and that's also agreeing with the "Hooters" sign. i think 3 miles just gets you to the Melbourne Square (Mile 8).

Easy directions: (talk in? we don' need no steenkng talk in!)

I-95 to US-192 exit. (New Haven Ave.)
US-192 to US-1 (east). (Harbor City Blvd.)
Turn left (north) - stay in left lane.
Go to next stoplight (about 2-3 "blocks" and is Hibiscus Blvd.).
Turn left (west) - stay in left lane.
Go about 3 blocks - you'll see the auditorium on the left.
Turn onto street just east of auditorium.
Parking lot entrance is on right about 1/4 way down the block.
Car pool if you can for Saturday Morning...parking is congested then.

(why no exams? we tried it for about 3 years...the facility doesn't have the space to hold the exam on site and the hotel doesn't have large enough meeting rooms to handle the crowds and there'll be an exam at FIT the next week

anyway. so us examiners go to the show like everyone else...)

73, bill wb9ivr

Date: 16 Aug 94 18:34:28 GMT
From: news-mail-gateway@ucsd.edu
Subject: Ok
To: info-hams@ucsd.edu

Thanks

Scott Sherratt N6VB
sherratt@vnet.ibm.com

Date: 16 Aug 94 17:07:03 GMT
From: news-mail-gateway@ucsd.edu
Subject: problem with Yaesu G-1000SDX rotor
To: info-hams@ucsd.edu

I have a G-1000SDX rotor and last night for the first time it started doing strange things. By strange I mean:

- while in motion it would stutter every 20 or so degrees for a half second then surge forward almost as if it was trying to catch up
- while in a resting position it would occasionally oscillate back and forth a few degrees as if it was correcting itself after a large gust of wind
- after power cycling the control box, the oscillating disappeared

This behavior happened a few times last night, but not in the half hour before I went QRT, during which I exercised the rotor to observe more strangeness. It also didn't happen this morning while getting another half hour work out.

Has anyone else observed such behavior, and if so, what's the fix?

Thanks and 73,
Scott

--
Scott Ginsburg Voice: 508-436-3836
Wellfleet Communications Internet: ginsburg@wellfleet.com

2 Federal St.
Billerica, MA 01821

Packet: WA2CJT@K1UGM

Date: Mon, 15 Aug 1994 17:04:55 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!pipex!demon!betanews.demon.net!
news@network.ucsd.edu
Subject: What does "beverage" mean?
To: info-hams@ucsd.edu

In article <SR0.94Aug12230502@media-lab.media.mit.edu>, Shawn O'Donnell writes:
> H. H. Beverage, ex-W2BML, published the original article in QST on
> the antenna that came to take his name. It's a great, low-noise
> receiving antenna for MF and lower frequencies (it works well with
> groundwave, low-angle signals, but it's pretty bad with sky wave
> signals.)
>
> It's not a good antenna for city dwellers--at a minimum, the
antenna
> should be at least a wavelength. It's easy to set up, though--just
> string a really long wire 10-20 feet above ground, terminate the
far
> end with the proper resistive load, and *presto*, you can hear
> everyone on 160 meters. well... :)

Yep, Beverage antennas really work well on mf, we typically use 4 strung out in various directions for our dxpeditions to NW Scotland each fall. Lengths are between 400 and 550 metres, depending how far it is to the sea, and they're terminated at the far end with variable resistors usually set around 500-650 Ohms.

They're appreciably directional, switching between antennas on say 1100 brings in either R Globo in Sao Paulo, ZDK Antigua or WWWE Cleveland.

They're also very low angle, with Alaska for instance still making it over the dark North Pole at 1430 UTC (=our local time), and we've had sunlight since 0930 UTC

Mark Hattam G4KGA mark@dxradio.demon.co.uk

Date: 15 Aug 1994 22:52:05 -0400

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!cs.utexas.edu!convex!
news.duke.edu!solaris.cc.vt.edu!swiss.ans.net!newstf01.cr1.aol.com!
search01.news.aol.com!not-for-mail@network.ucsd.edu
Subject: Yaesu FT-530 vs Icom W21AT - opinions
To: info-hams@ucsd.edu

In article <CHENNU.94Aug15131245@pdxcs037.ichips.intel.com>,
chennu@ichips.intel.com (Srinivas Chennupaty) writes:

I have both and the ICOM is for sale.

Date: Tue, 16 Aug 1994 11:49:25 GMT
From: world!drt@uunet.uu.net
To: info-hams@ucsd.edu

References <32ov9d\$c3j@news.duke.edu>, <CuLqqv.EJ4@world.std.com>,
<32p41n\$km6@agate.berkeley.edu>
Subject : Re: Crossband repeating rigs & auto IDers

Ken A. Nishimura (kennish@kabuki.EECS.Berkeley.EDU) wrote:

: In article <CuLqqv.EJ4@world.std.com>,
: David R Tucker <drt@world.std.com> wrote:

: >The only thing I see that's even close is that a station under
: >telecommand must have something to limit transmission to no more than
: >3 minutes in the event the control link malfunctions. I'm open to
: >correction, though.

: After looking in Part 97, this is the catch all:

: 97.105 Control operator duties. - (a) The control operator must
: ensure the immediate proper operation of the station, regardless of the
: type of control.

: OK, so you're the control op. You need to have a method to "ensure the
: immediate proper operation of the station." So, if you want to do it
: by carrier pigeon, that's OK, but it has to be "immediate" -- no
: time out timers allowed.

: ==Ken

Ah, semantics. I don't read the term "immediate" that way. There's no way to *ensure* "immediate" (in your sense) shutdown even with a control link, because the control link can break - or run out of batteries! - hence the requirement for a time-out timer under telecommand. That must mean that 3 minutes is immediate enough for

the FCC. (Those poor pigeons aren't as fast as that, anyway! :-)

A number of months ago people around here were forced to DF a transmitter. Seems a TNC got stuck in the "on" position. Of course, the licensee wasn't home and didn't have a remote link to turn the thing off - he had to go home and do it. Now, I wasn't aware people with packet stations had to have a remote link to turn the things off in just such a case, and it's my impression that nobody has them even though they leave them on all the time. Is that impression mistaken? Your claim implies that the remote link is required, but I would think there'd be plenty of warning in the "Getting Started on Packet" type of articles - which there isn't. (Of course, in this case, that timeout timer would have worked great.)

Plus, while you are the control op in your example, you are not at a control point if the transmitter is under automatic control. If that rule means you must be at a control point at all times to turn the thing off at a moment's notice, there's no such thing as automatic control, only remote control.

In a nutshell, I don't think that interpretation of "immediate" is consistent with the plain sense of other provisions of the rules, and I don't see that people have ordinarily been interpreting it that way.

-drt

|David R. Tucker KG2S 8P9CL drt@world.std.com|

End of Info-Hams Digest V94 #922
